40 Amp Power Relay

cULus E86876 **PC740**



FEATURES

- ¼ Inch Male Quick Connect Terminals
- Up to 40 Amp Switch Capacity
- Up to 2 Horsepower Rating
- Compatible with SC740 Din Rail Socket
- Top or Side Flanged Case or PC Mounting
- AC Coils up to 240VAC or DC Coils up to 110VDC

RoHS COMPLIANT

UL / cUL RATINGS

Contact Form	2A DPST NO, 2C DPDT, 3A 3PST NO, 3C 3PDT	
Rated Load	Voltage	Amps
Resistive, 6K cycles, 50°C	120VAC	40A
Resistive, 6K cycles, 50°C	250VAC	30A
General Purpose, 6K cycles, 50°C	250VAC	40A
1-½ hp, 50°C	120VAC	
2 hp, 50°C	250VAC	

CONTACT DATA

Maximum Switching Power		10K VA, 1120W
Maximum Switching Voltage		250VAC, 25VDC
Maximum Continuous Current		40 A
Material		$AgCdO_2$
Initial Contact Resistance		100 mΩ max.
Service Life	Mechanical	1 x 10^7 operations
	Electrical	1 x 10^5 operations

CHARACTERISTICS

Insulation Resistance	500 MΩ min. at 500 VDC
Dielectric Strength	1500 Vrms, between contacts 2500 Vrms, between coil & contacts
Power Consumption	DC Coil : 2.5W; AC Coil : 6VA
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40ºC to 85ºC
Storage Temperature	-40ºC to 85ºC
Shock Resistance	10g functional
Vibration Resistance	2mm double amplitude 10~55Hz
Weight	130g

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the applicaiton. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

ORDERING INFORMATION

Example		PC740	-2C	-C	-120A	-P		B
Model:	PC740							
Contact Form:	2A 2C	3A 3C						
Mounting Version:	C = Plain Case C1 = Side Flange C3 = Top Flange							
Coil Voltage:	12A = 12VAC 24A = 24VAC 48A = 48VAC 120A = 120VAC 220A = 220VAC 240A = 240VAC	12D = 12VDC 24D = 24VDC 48D = 48VDC 110D = 110VDC						
Terminal Type:	Nil = Quick Connect P = PC Pins							
RoHS Compliance:	Nil = RoHS Compliant							
Insulation:	Nil = Class B							

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Sales (763) 535-2339
www.PickerComponents.com
email: sales@PickerComponents.com

Dimensions are shown for reference purposes only.
PC740 Rev D 10/2026

Specifications and availability subject to change without notice.

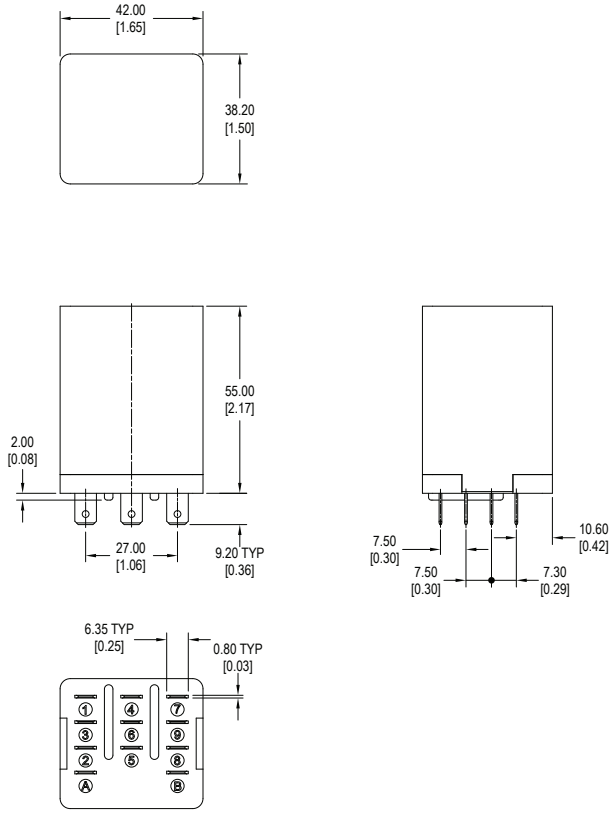
COIL DATA

Voltage Type / Coil Power	Coil Voltage Rated	Coil Voltage Max	Resistance Ω ± 10%	Must Operate Voltage Max (VDC)	Must Release Voltage Min (VDC)
DC 2.5W	12	13.2	58	9.0	1.2
	24	26.4	230	18.0	2.4
	48	52.8	921	36.0	4.8
	110	121	4840	82.5	11.0
AC 6VA	12	13.2	16.1	9.6	3.6
	24	26.4	32.2	19.2	7.2
	48	52.8	128.6	38.4	14.4
	120	132	804	96.0	36.0
	220	242	2702	176	66.0
	240	264	3216	192	72.0

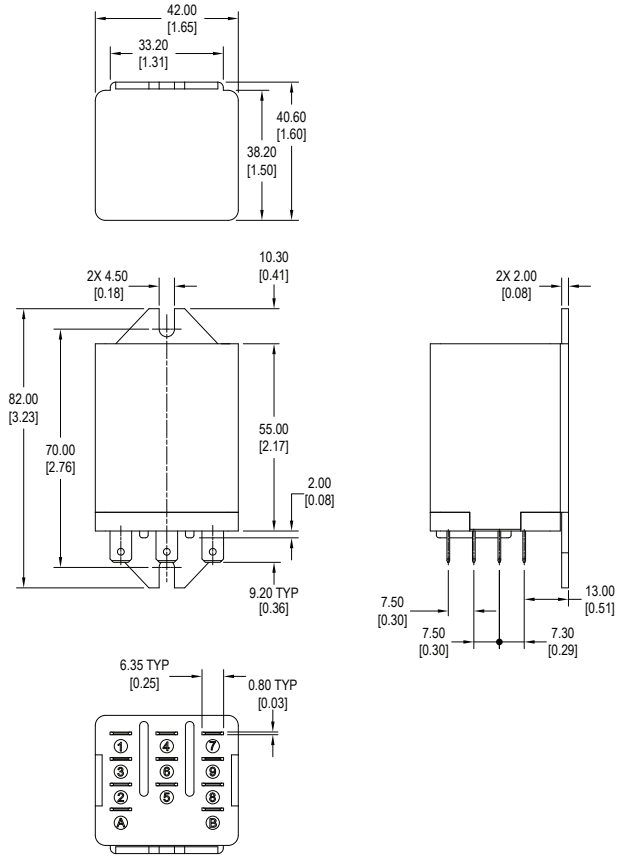
NOTE : The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only are are not to be used as design criteria.

DIMENSIONS *mm (inches)*

C - Plain Case

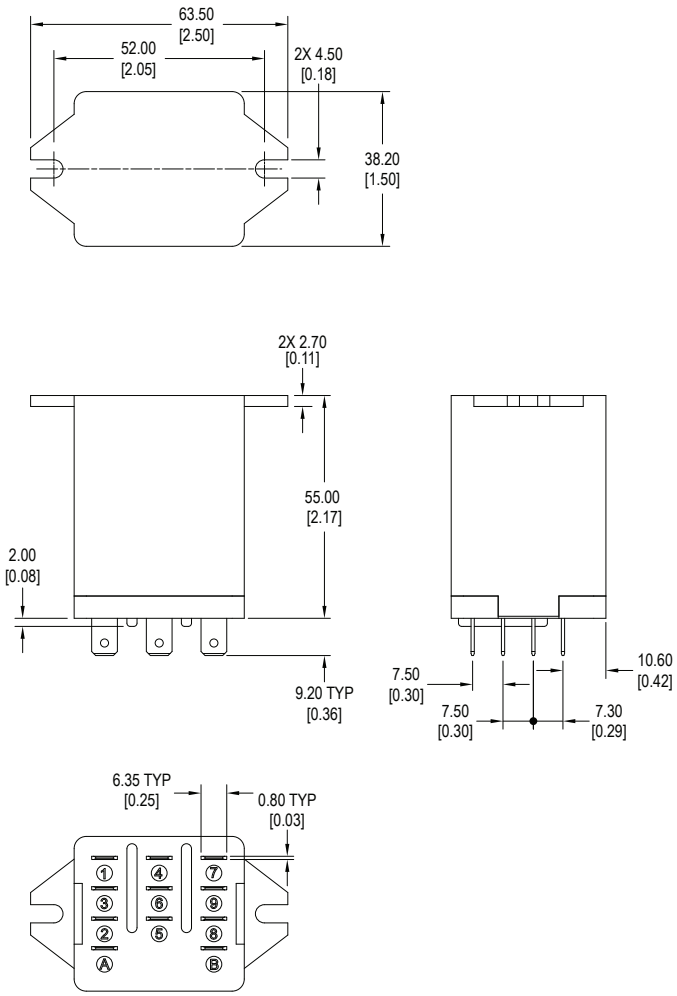


C1 - Side Flange



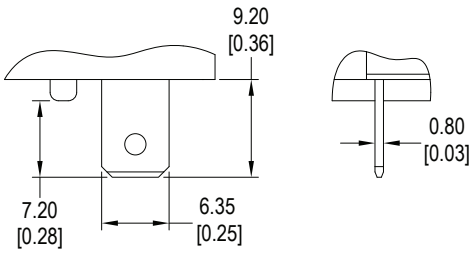
DIMENSIONS *mm (inches)*

C3 - Top Flange

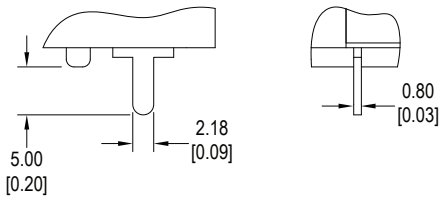


TERMINALS *mm (inches)*

Quick Connect

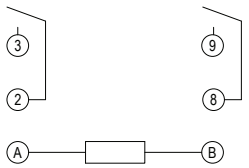


PC Pins

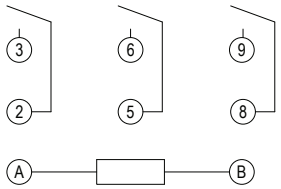


SCHEMATICS *Bottom Views*

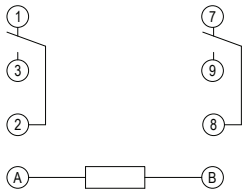
2A



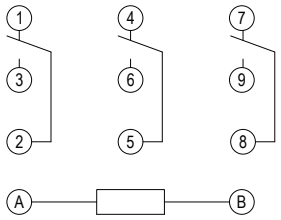
3A



2C



3C



PC LAYOUT

